

5.16.30 FIELD SAMPLING OF THERMOPLASTIC PAVEMENT MARKING MATERIAL
(Kansas Test Method KT-30)

a. SCOPE

This procedure outlines the proper method for sampling Thermoplastic Pavement Marking Materials on the roadway. As with any sampling procedure securing a representative sample must be the primary goal of the sampler.

b. APPARATUS

b.1. Gallon-can lids.

b.2. Protective barrier to keep material from overflowing the lid on to the roadway. Two possible suggestions are cardboard and sheet metal.

c. OBTAINING A REPRESENTATIVE SAMPLE

c.1. Avoid obtaining a sample immediately on startup of the striping contractor. The sampler should wait until the unit has been operating for one hour prior to obtaining the sample.

c.2. Obtain a representative sample from individual lots of material when possible. If the contractor is using multiple lots in the melter from a single manufacturer, then verify proper certifications are available for the lots and secure a sample from that blended quantity. **Mixing multiple manufacturers' lots is not permitted.**

c.3. Once **b.1.** and **b.2.** have been satisfied, place a gallon can lid under the spray nozzle, so the lid lip is up (see figure 1), with a protective barrier beneath the lid.

c.4. Do not permit any drop-on beads to come in contact with the representative sample during the sampling process or while it is cooling. It is necessary to determine the amount of beads in the thermoplastic mix itself. Drop-on beads will provide a false value for the quantity of beads in the thermoplastic.

c.5. Have the contractor dispense enough thermoplastic from the melter to fill the lid. Permit the thermoplastic to cool (see figure 2).

c.6. Once the thermoplastic has cooled, break excess material off the outer edge of the lid and place in a plastic bag to keep clean for shipping to MRC (see figure 3 and 4).

d. REPORT

d.1. Report the CMS number, Lot number, and Manufacturer of the Thermoplastic on a piece of paper and send with the thermoplastic, still on the lid, to MRC (see figure 5). **Do not write on the thermoplastic material.**



Can lid with protective material underneath
Figure 1



Lid after thermoplastic has cooled to handle
Figure 2



Removal of excess thermoplastic from lid
Figure 3



Sample placed in bag for shipment
Figure 4



Shipping documentation
Figure 5